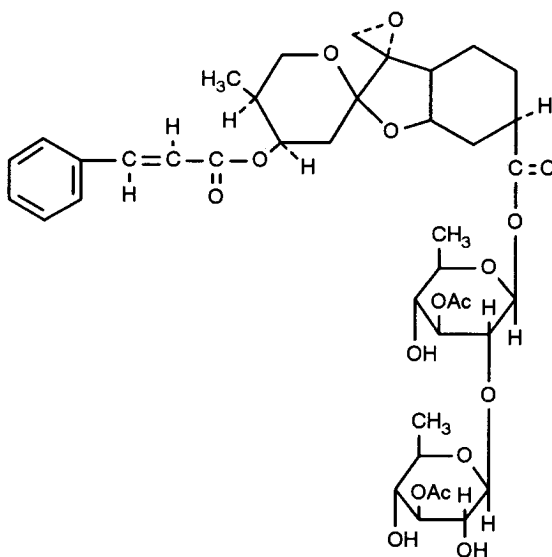


# PHYLLANTHOSIDE

NSC - 328426



## Chemical Name:

β-*D*-Glucopyranose, 2-*O*-(3-*O*-acetyl-6-deoxy-,3-acetate 1-[decahydro-5"-methyl-4"-[1(oxo-3-phenyl-2-propenyl)-oxy]dispiro[oxirane-2,3"(2'*H*)-benzofuran-2,2"-[2*H*]pyran]-6'-carboxylate,[2*S*-[2α[4*R*\*(*E*),5'*S*\*],3β,3α,6α,7α]]-

**CAS Registry Number:** 63166-73-4

**Molecular Formula:** C<sub>40</sub>H<sub>52</sub>O<sub>17</sub>

**M.W.:** 804.8

Approximate Solubility:	(mg/mL)
H <sub>2</sub> O	< 0.1
C <sub>2</sub> H <sub>5</sub> OH	> 100
CHCl <sub>3</sub>	> 100
DMSO	> 100
CH <sub>3</sub> OH	> 100
CH <sub>2</sub> Cl <sub>2</sub>	> 100

### Stability:

#### Bulk:

The bulk compound is stable for at least four weeks at room temperature and 45 °C (HPLC).

#### Solution:

The room temperature stability in 10% aqueous ethanol (1 mg/mL) shows  $t_{90}$  to be 1.5 hours and  $t_{50}$  to be 19 hours (HPLC).

### Ultraviolet Absorption:

(MeOH)

$\lambda_{\max}$	$\epsilon$
276 $\pm$ 2nm	20,450 - 20,730
216 $\pm$ 2nm	15,370 - 15,970
205 $\pm$ 2nm	13,820 - 14,670

### High Performance Liquid Chromatography:

**Column:**  $\mu$ -Porasil, 300 mm x 3.9 mm i.d.

**Mobile Phase:**  $\text{CH}_2\text{Cl}_2/\text{CH}_3\text{OH}/\text{H}_2\text{O}$  (96/4/0.4)

**Flow Rate:** 0.8 mL/min

**Detection:** UV at 254 nm

**Sample Preparation:** One mg of sample is dissolved in 1 mL  $\text{CH}_2\text{Cl}_2$ .

**Retention Volume:** 11.6 mL (NSC-328426)

**Optical Rotation:**

(c = 0.7,  $\text{CHCl}_3$ )

$$[\alpha]_D^{20} = 17.7 \pm 2^\circ$$